KVD Data Review - A Work in Progress

Addressing the Citizens' Request on Uranium Ore Grades at KVD's PA-3 MW-85



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BRIEFLY:

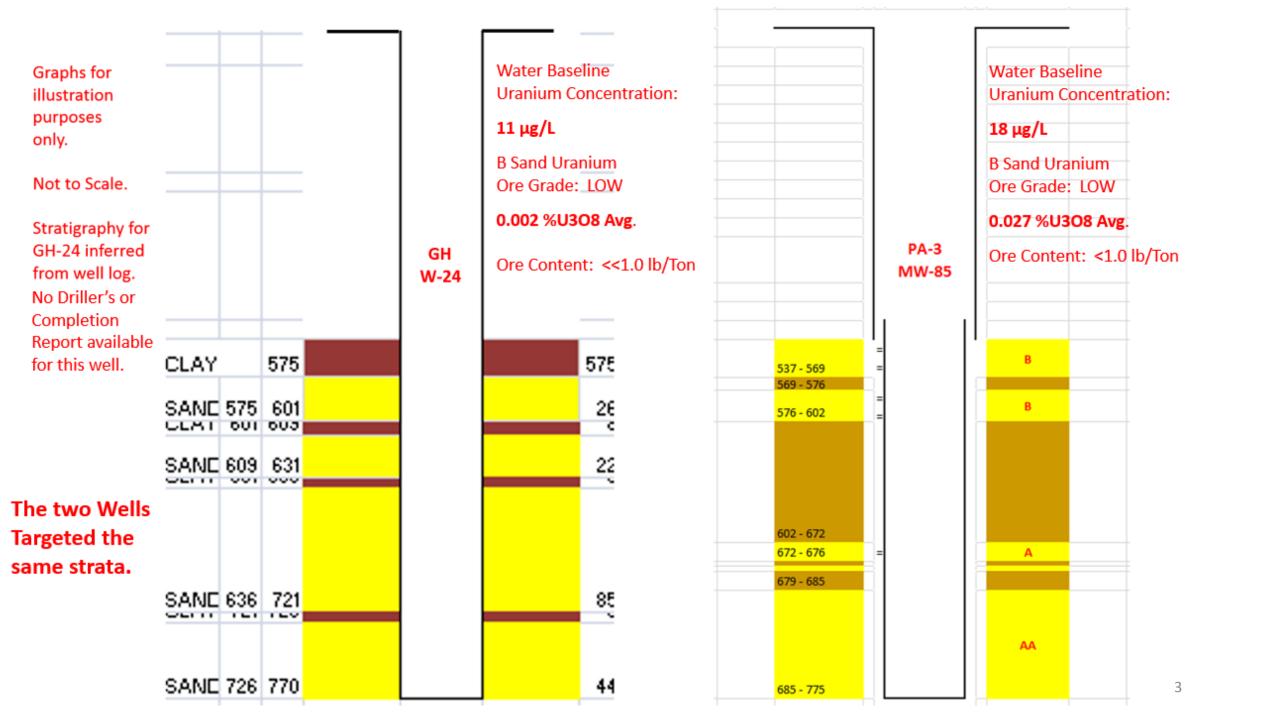
The results of a research work completed on November 21, 2014 showed that the undisturbed aquifer, baseline ground water quality around the Garcia Hill area reasonably compares to that documented for the area around the city of Kingsville (see 141121GoliadAquifersUoreRadiometricOreGradesAroundKVDsPA-3Area.pptx, attached).

The validity of the computational scheme used in the above research work was clearly demonstrated by showing that there is a match, foot by foot, between the uranium ore grade values obtained by this computational scheme and those submitted to the operator by its consultant, Computer Logging Inc. in 1987. The ore grade values in question belong to the PA-3 Adami #2 (see Table IV in slide 13 of the above referenced PPT file, attached).

A question on the role that Production Area No. 3's (PA-3's) Monitoring Well MW-85 may have played in the surge in uranium concentrations in the ground water in the Garcia Hill (GH) area was brought up by TCEQ. TCEQ's question, it seems, was prompted by the fact that the CPS readings in this well's GR log are higher than those observed in the GR log from the GH W-24 well. We have made an effort to address TCEQ's question by looking at the ore grade values in the MW-85 well.

Details on the assays that have been developed for the B and AA sands in the MW-85 well are provided in the slides below. The same Excel computer program that was used for the GH W-24 assay well was used in this case. These assays have been developed in response to a request received by EPA from Kleberg County citizens.

The assay results show low uranium ore grade at the MW-85 well, still well below the threshold for commercial production. These results, along with the baseline ground water quality data for the MW-85 well, show that, like in the case of the W-24 well, it appears unlikely that this well could have, spontaneously, by itself, caused the ground water uranium concentration to surge to nearly 1.0 mg/L, as it has been observed at the GH W-24 well.





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的本种的效果。可重要的例



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No **Dead Time**, No **K Factor** provided with this log.

Data from neighboring well used in Assay.

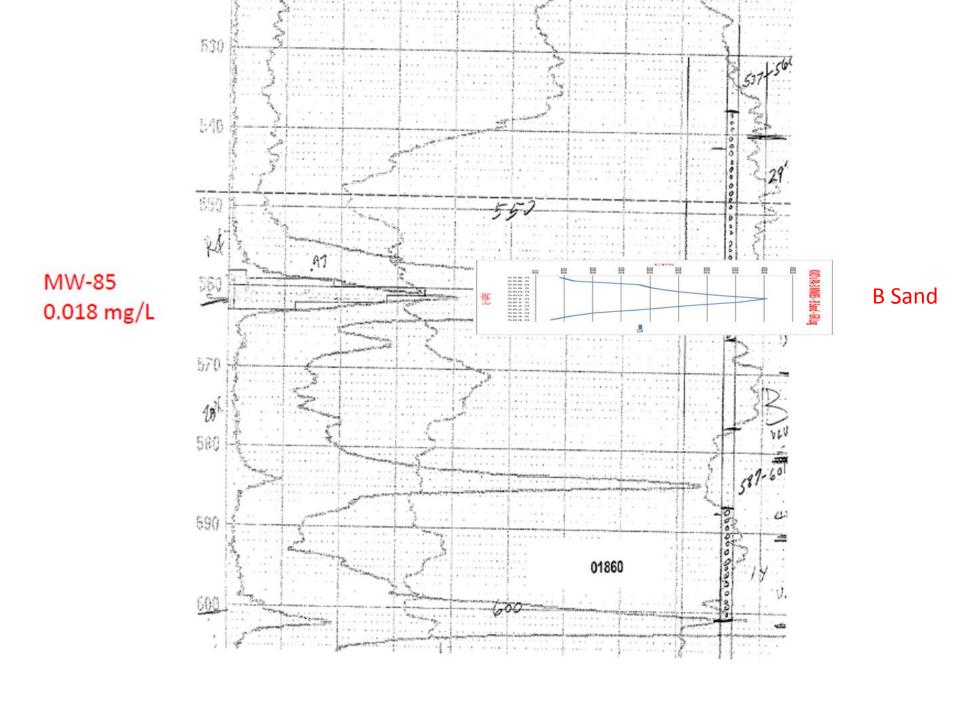
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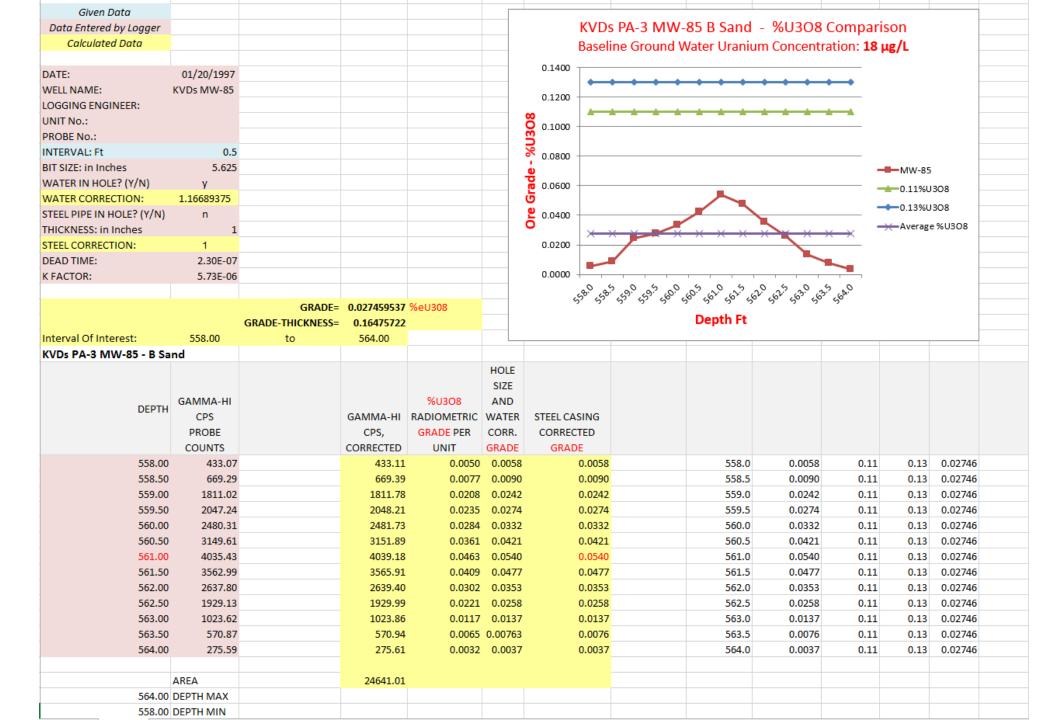
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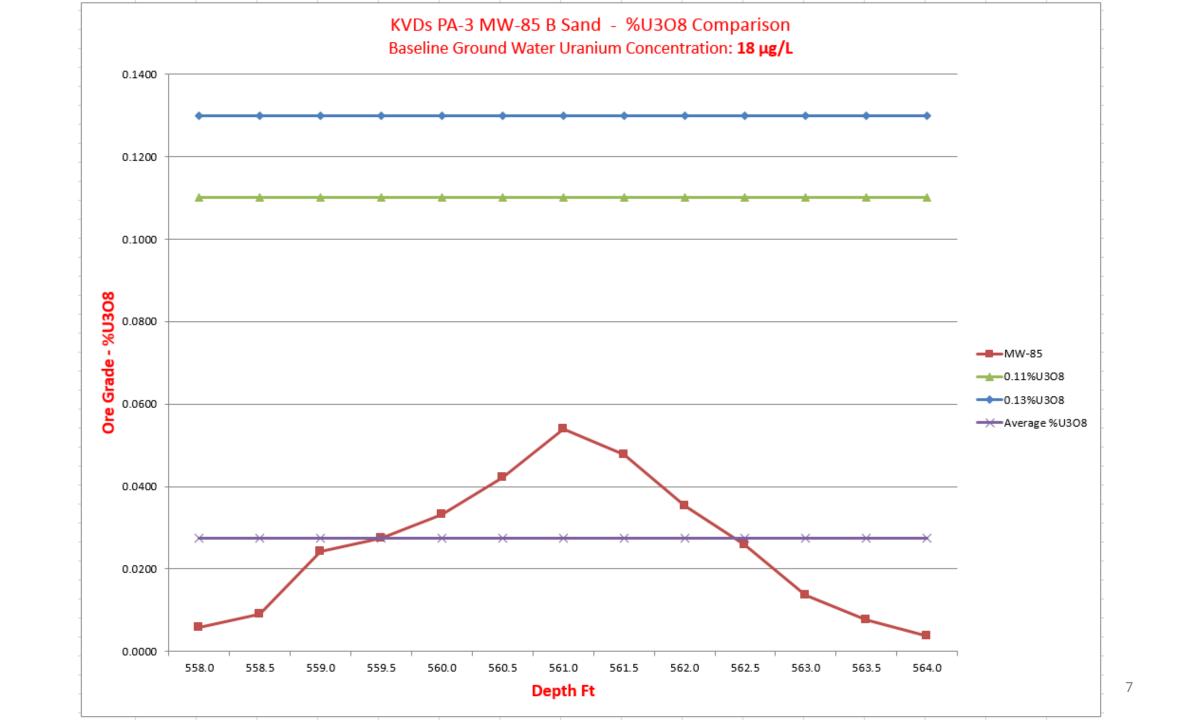
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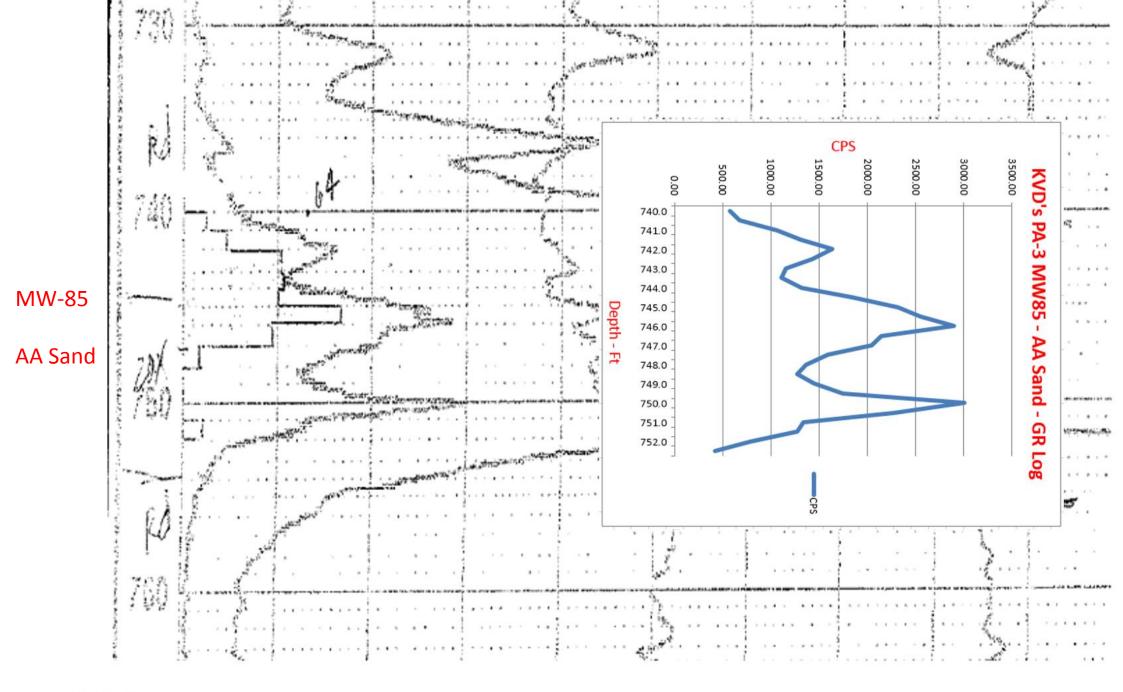
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2 EXECUTATION 15

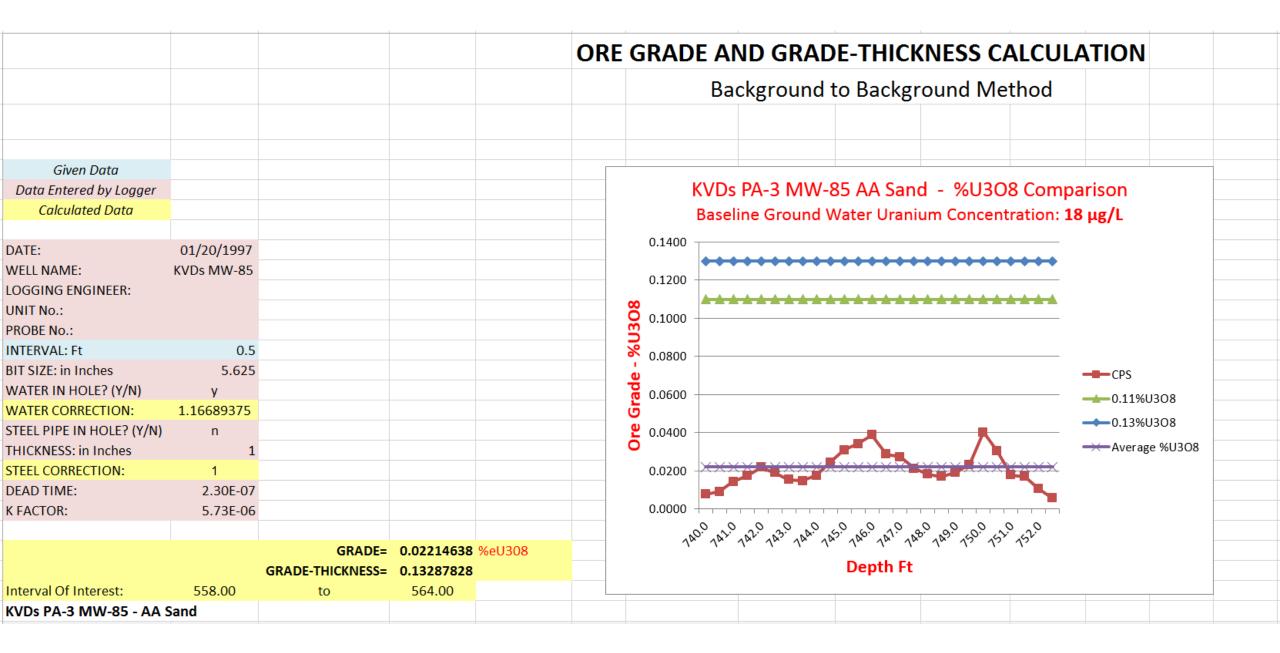












KVDs PA-3 MW-85 - AA S	and									
				HOLE						
				SIZE						
DEDTH	GAMMA-HI		%U3O8	AND						
DEPTH	CPS	GAMMA-HI	RADIOMETRIC	WATER	STEEL CASING					
	PROBE	CPS,	GRADE PER	CORR.	CORRECTED					
	COUNTS	CORRECTED	UNIT	GRADE	GRADE					
740.00	570.57	570.65	0.0065	0.0076	0.0076	740.	0.0076	0.11	0.13	0.02215
740.50	675.68	675.78	0.0077	0.0090	0.0090	740.	0.0090	0.11	0.13	0.02215
741.00	1066.07	1066.33	0.0122	0.0143	0.0143	741.	0.0143	0.11	0.13	0.02215
741.50	1306.31	1306.70	0.0150	0.0175	0.0175	741.	0.0175	0.11	0.13	0.02215
742.00	1636.64	1637.25	0.0188	0.0219	0.0219	742.	0.0219	0.11	0.13	0.02215
742.50	1426.43	1426.89	0.0164	0.0191	0.0191	742.	0.0191	0.11	0.13	0.02215
743.00	1156.16	1156.46	0.0133	0.0155	0.0155	743.	0.0155	0.11	0.13	0.02215
743.50	1111.11	1111.40	0.0127	0.0149	0.0149	743.	0.0149	0.11	0.13	0.02215
744.00	1321.32	1321.72	0.0151	0.0177	0.0177	744.	0.0177	0.11	0.13	0.02215
744.50	1831.83	1832.60	0.0210	0.0245	0.0245	744.	0.0245	0.11	0.13	0.02215
745.00	2312.31	2313.54	0.0265	0.0309	0.0309	745.	0.0309	0.11	0.13	0.02215
745.50	2552.55	2554.05	0.0293	0.0342	0.0342	745.	0.0342	0.11	0.13	0.02215
746.00	2897.90	2899.83	0.0332	0.0388	0.0388	746.	0.0388	0.11	0.13	0.02215
746.50	2147.15	2148.21	0.0246	0.0287	0.0287	746.	0.0287	0.11	0.13	0.02215
747.00	2042.04	2043.00	0.0234	0.0273	0.0273	747.	0.0273	0.11	0.13	0.02215
747.50	1591.59	1592.17	0.0182	0.0213	0.0213	747.	0.0213	0.11	0.13	0.02215
748.00	1366.37	1366.80	0.0157	0.0183	0.0183	748.	0.0183	0.11	0.13	0.02215
748.50	1276.28	1276.65	0.0146	0.0171	0.0171	748.	0.0171	0.11	0.13	0.02215
749.00	1441.44	1441.92	0.0165	0.0193	0.0193	749.	0.0193	0.11	0.13	0.02215
749.50	1741.74	1742.44	0.0200	0.0233	0.0233	749.	0.0233	0.11	0.13	0.02215
750.00	3003.00	3005.08	0.0344	0.0402	0.0402	750.	0.0402	0.11	0.13	0.02215
750.50	2267.27	2268.45	0.0260	0.0303	0.0303	750.	0.0303	0.11	0.13	0.02215
751.00	1336.34	1336.75	0.0153	0.0179	0.0179	751.	0.0179	0.11	0.13	0.02215
751.50	1276.28	1276.65	0.0146	0.0171	0.0171	751.	0.0171	0.11	0.13	0.02215
752.00	780.78	780.92	0.0089	0.0104	0.0104	752.	0.0104	0.11	0.13	0.02215
752.50	420.42	420.46	0.0048	0.0056	0.0056	752.	0.0056	0.11	0.13	0.02215
	AREA	19873.21								
564.00	DEPTH MAX									10
558.00	DEPTH MIN									

